



Tennessee Department of Environment and Conservation  
Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, Tennessee 37243  
1-888-891-8332 (TDEC)

**Municipal Separate Storm Sewer System (MS4) Annual Report**

**1. MS4 INFORMATION**

City of Millington TNSO75442

Name of MS4 MS4 Permit Number

Jason Dixon j.dixon@millingtontn.gov

Name of Contact Person Email Address

901.873.5730

Telephone (including area code)

4836 Navy Rd Suite #3

Mailing Address

Millington TN 38053

City State ZIP code

What is the current population of your MS4? 10,176

What is the reporting period for this annual report? From July 1, 2014 to June 30, 2015

**2. WATER QUALITY PRIORITIES (SECTION 3.1)**

- A. Does your MS4 discharge into waters listed as impaired on TN's most current 303(d) list and/or according to the on-line GIS mapping tool? ☒ Yes ☐ No
- B. If yes, please attach a list all impaired waters within your jurisdictional area.
- C. Does your MS4's jurisdictional area contain any waterbodies where a TMDL has been approved for parameters other than pathogens, siltation and habitat alterations? If yes, please attach a list. ☒ Yes ☐ No
- D. Does your MS4 discharge to any Exceptional TN Waters (ETWs) or Outstanding National Resource Waters (ONRWs)? If yes, please attach a list. ☐ Yes ☒ No
- E. Are you implementing additional specific provisions to ensure the continued integrity of ETWs or ONRWs located within your jurisdiction? ☐ Yes ☒ No

**3. PROTECTION OF STATE OR FEDERALLY LISTED SPECIES (SECTION 3.2.1 General Permit for Phase II MS4s)**

- A. Are there any state or federally listed species within the MS4's jurisdiction? ☐ Yes ☒ No
- B. Are any of the MS4 discharges or discharge-related activities likely to jeopardize any state or federally listed species? ☐ Yes ☒ No
- C. Please attach any authorizations or determinations by U.S. Fish & Wildlife Service on the effect of the MS4 discharges on state or federally listed species.

**4. PUBLIC EDUCATION AND PUBLIC PARTICIPATION (SECTION 4.2.1 AND 4.2.2)**

- A. Have you developed a Public Information and Education plan (PIE)? ☒ Yes ☐ No
- B. Is your public education program targeting specific pollutants and sources of those pollutants, such as Hot Spots? ☒ Yes ☐ No

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C. If yes, what are the specific causes, sources and/or pollutants addressed by your public education program? oil, fertilizers, silt, grass clippings, leaves, illicit discharge

D. Note specific successful outcome(s) (NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period. NOT's received, citizens are more concerned and contact our offices to report violations

E. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program? ☒ Yes ☐ No

F. How do you facilitate, advertise, and publicize public involvement and participation opportunities? website, newspaper, radio

G. Do you have a webpage dedicated to your stormwater program? ☒ Yes ☐ No  
If so, what is the link/URL: www.millingtontn.gov

H. Are you tracking and maintaining records of public education, outreach, involvement and participation activities? Please attach a summary of these activities. ☒ Yes ☐ No

### 5. ILLICIT DISCHARGE DETECTION AND ELIMINATION (SECTION 4.2.3)

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? ☒ Yes ☐ No

B. Have you completed a map of all storm drain pipes of storm sewer system? ☒ Yes ☐ No

C. How many outfalls have you identified in your system? 10

D. Have any of these outfalls been screened for dry weather discharges? ☒ Yes ☐ No

F. What is your frequency for screening outfalls for illicit discharges? monthly

G. Do you have an ordinance that effectively prohibits illicit discharges? ☒ Yes ☐ No

H. During this reporting period, how many illicit discharges/illegal connections have you discovered (or been reported to you)? 2

I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated? 2

### 6. CONSTRUCTION SITE STORMWATER RUNOFF (SECTION 4.2.4)

A. Do you have an ordinance or adopted policies stipulating:

Erosion and sediment control requirements? ☒ Yes ☐ No

Other construction waste control requirements? ☒ Yes ☐ No

Requirement to submit construction plans for review? ☒ Yes ☐ No

MS4 enforcement authority? ☒ Yes ☐ No

B. How many active construction sites disturbing at least one acre were there in your jurisdiction this reporting period? 2

C. How many of these active sites did you inspect this reporting period? weekly

D. On average, how many times each, or with what frequency, were these sites inspected (e.g., weekly, monthly, etc.)? weekly

E. Do you prioritize certain construction sites for more frequent inspections? ☐ Yes ☒ No

If Yes, based on what criteria? \_\_\_\_\_

## Municipal Separate Storm Sewer System (MS4) Annual Report

### 7. PERMANENT STORMWATER CONTROLS (SECTION 4.2.5)

- A. Do you have an ordinance or other mechanism to require:
- |   |                              |  |
|---|------------------------------|--|
| Site plan reviews of all new and re-development projects?     | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Maintenance of stormwater management controls?                | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Retrofitting of existing BMPs with green infrastructure BMPs? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
- B. What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, projects disturbing greater than one acre, etc.) all projects
- C. Have you implemented and enforced performance standards for permanent stormwater controls? ☐ Yes ☒ No
- D. Do these performance standards go beyond the requirements found in Section 4.2.5.2 and require that pre-development hydrology be met for:
- |                      |                              |  |
|----------------------|------------------------------|--|
| Flow volumes         | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Peak discharge rates | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Discharge frequency  | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Flow duration        | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
- E. Please provide the URL/reference where all permanent stormwater management standards can be found.  
na
- F. How many development and redevelopment project plans were reviewed for this reporting period? 4
- G. How many development and redevelopment project plans were approved? 4
- H. How many permanent stormwater management practices/facilities were inspected? na
- I. How many were found to have inadequate maintenance? na
- J. Of those, how many were notified and remedied within 30 days? (If window is different than 30 days, please specify) na
- K. How many enforcement actions were taken that address inadequate maintenance? na
- L. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☐ Yes ☒ No
- M. Do all municipal departments and/or staff (as relevant) have access to this tracking system? ☐ Yes ☒ No
- N. Has the MS4 developed a program to allow for incentive standards for redeveloped sites? ☐ Yes ☒ No
- O. How many maintenance agreements has the MS4 approved during the reporting period? none

### 8. CODES AND ORDINANCES REVIEW AND UPDATE (SECTION 4.2.5.3)

- A. Is a completed copy of the EPA Water Quality Scorecard submitted with this report? ☐ Yes ☒ No
- B. Include status of implementation of code, ordinance and/or policy revisions associated with permanent stormwater management. na

### 9. STORMWATER MANAGEMENT FOR MUNICIPAL OPERATIONS (SECTION 4.2.6)

- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:

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- All parks, ball fields and other recreational facilities ☐ Yes ☒ No
- All municipal turf grass/landscape management activities ☐ Yes ☒ No
- All municipal vehicle fueling, operation and maintenance activities ☒ Yes ☐ No
- All municipal maintenance yards ☐ Yes ☒ No
- All municipal waste handling and disposal areas ☒ Yes ☐ No
- B. Are stormwater inspections conducted at these facilities? ☒ Yes ☐ No
1. If Yes, at what frequency are inspections conducted? as needed
- C. Have standard operating procedures or BMPs been developed for all MS4 field activities? (e.g., road repairs, catch basin cleaning, landscape management, etc.) ☒ Yes ☐ No
- D. Do you have a prioritization system for storm sewer system and permanent BMP inspections? ☐ Yes ☒ No
- E. On average, how frequently are catch basins and other inline treatment systems inspected? Corps of Engineers inspects catch basins twice a year and Public Works inspects them regularly
- F. On average, how frequently are catch basins and other inline treatment systems cleaned out/maintained? as needed
- G. Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management? ☒ Yes ☐ No
- H. If yes, do you also provide regular updates and refreshers? ☒ Yes ☐ No
- If so, how frequently and/or under what circumstances? as needed to maintain TDEC certification and for all new hires

### 10. STORMWATER MANAGEMENT PROGRAM UPDATE (SECTION 4.4)

- A. Describe any changes to the MS4 program during the reporting period including but not limited to:
- Changes adding (but not subtracting or replacing) components, controls or other requirements (Section 4.4.2.a). none
- Changes to replace an ineffective or unfeasible BMP (Section 4.4.2.b). none
- Information (e.g. additional acreage, outfalls, BMPs) on program area expansion based on annexation or newly urbanized areas. see attached plan of services for recently annexed Lucy area
- Changes to the program as required by the division (Section 4.4.3). MS4 program extended to Lucy area

### 11. EVALUATING/MEASURING PROGRESS

- A. What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Note that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
<i>Example: E. coli</i>	<i>2003</i>	<i>Weekly April–September</i>	<i>20</i>



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- B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater control practices. None

### 12. ENFORCEMENT (SECTION 4.5)

- A. Identify which of the following types of enforcement actions you used during the reporting period, indicate the number of actions, the minimum measure (e.g., construction, illicit discharge, permanent stormwater control) or note those for which you do not have authority:

Action	Construction	Permanent Stormwater Controls	Illicit Discharge	Authority?	
Notice of violation	# <u>na</u>	# <u>na</u>	# <u>2</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative fines	# <u>na</u>	# <u>na</u>	# <u>na</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Stop Work Orders	# <u>na</u>	# <u>na</u>	# <u>na</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Civil penalties	# <u>na</u>	# <u>na</u>	# <u>na</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Criminal actions	# <u>na</u>	# <u>na</u>	# <u>na</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Administrative orders	# <u>na</u>	# <u>na</u>	# <u>na</u>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Other _____	# <u>na</u>	# <u>na</u>	# <u>na</u>		

- B. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions in your jurisdiction? ☒ Yes ☐ No

- C. What are the 3 most common types of violations documented during this reporting period? silt, grass, leaves

### 13. PROGRAM RESOURCES (OPTIONAL)

- A. What was your annual expenditure to implement the requirements of your MS4 NPDES permit and SWMP this past reporting period? \$276,150
- B. What is next year's budget for implementing the requirements of your MS4 NPDES permit and SWMP? \$360,358
- C. Do you have an independent financing mechanism for your stormwater program? ☒ Yes ☐ No
- D. If so, what is it/are they (e.g., stormwater fees), and what is the annual revenue derived from this mechanism?
- |                         |                  |
|-------------------------|------------------|
| Source: stormwater fees | Amount \$276,150 |
| Source:                 | Amount \$        |
- E. How many full time employees does your municipality devote to the stormwater program (specifically for implementing the stormwater program vs. municipal employees with other primary responsibilities that dovetail with stormwater issues)? none

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F. Do you share program implementation responsibilities with any other entities? ☒ Yes ☐ No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
Wastewater Treatment Plant	monitoring effluent prior to entrance to Big Creek	Reports received
Public Works	inspections, cleaning and repairing inlets and drains. Inspect and maintain outfalls and catch basins	Reports received
All city employees	monitor for illicit discharge	notification of complaints

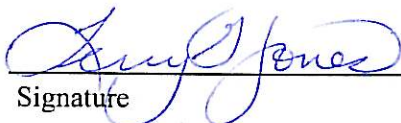
G. Please attach a copy of your Organizational Chart

### 14. CERTIFICATION

**This report must be signed by a ranking elected official or by a duly authorized representative of that person. See signatory requirements in sub-part 6.7.2 of the permit.**

*"I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury."*

Terry Jones, Mayor  
Printed Name and Title

  
Signature

9/16/15  
Date

**Annual reports must be submitted in accordance with the requirements of Section 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by September 30 of each calendar year, as shown in the table below:**

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000

## WATER QUALITY PRIORITIES

- A. Does your MS4 discharge to waters listed as impaired on your state 303(d) list? **X Yes** No
- B. If yes, identify each impaired water, the impairment(s), whether a TMDL has been approved by EPA for each, and whether the TMDL identifies your MS4 as a source of the impairment.

Impaired Water	Impairment	Approved TMDL	MS4 Assigned to WLA	
<u>Loosahatchie</u>	<u>Mercury</u> L	This stream is Cat. 5. The stream is impaired for one or more uses, however EPA has approved a fecal coliform TMDL that addresses some of the know pollutants in this stream. EPA should take the lead on TMDLS involving atmospheric deposition.	<span style="border: 1px solid black; padding: 0 5px;"><b>X Yes</b></span>	No
<u>TN08010209 002 - 1000</u>	<u>Chlordane</u> H			
	<u>PCBs</u> H			
	<u>Dioxin</u> H			
	<u>Loss of biological integrity due to siltation</u> H			
	<u>Physical Substrate Habitat Alterations</u> H			
	<u>Escherichia coli</u> N/A			
<u>Jakes Creek</u>	<u>Loss of biological integrity due to siltation</u>	Stream is Category 5. (One or more uses impaired.)	Yes	<span style="border: 1px solid black; padding: 0 5px;"><b>X No</b></span>
<u>TN08010209 021-0100</u>				
<u>Bear Creek</u>	<u>Low Dissolved Oxygen</u> H	Stream is Category 5. (One or more uses impaired.)	Yes	<span style="border: 1px solid black; padding: 0 5px;"><b>X No</b></span>
<u>TN08010209 021-0110</u>				
<u>Royster Creek</u>	<u>Low Dissolved Oxygen</u> H	This stream is Category 5. The stream is impaired for one or more uses.	Yes	<span style="border: 1px solid black; padding: 0 5px;"><b>X No</b></span>
<u>TN08010209 021 - 0200</u>	<u>Physical Substrate Habitat Alterations</u> H			

North Fork Creek

TN08010209 021 - 0300

Low Dissolved Oxygen

H

Physical Substrate

Habitat Alteration

H

Loss of biological  
integrity due to siltation

H

This stream is  
Category 5. The  
stream is  
impaired for one  
or more uses.

Yes

☒ No

Big Creek

TN08010209 021 - 1000

Low Dissolved Oxygen

L

Nitrates

L

Phosphates

L

Physical Substrate

Habitat Alteration

H

Loss of biological  
integrity due to siltation

H

This stream is  
Category 5. The  
stream is  
impaired for one  
or more uses,  
however EPA  
has approved a  
fecal coliform  
TMDL that  
addresses some  
of the known  
pollutants.

☒ Yes

No

Escherichia coli

N/A



RESOLUTION 24-2012

RESOLUTION ADOPTING A PLAN OF SERVICES FOR THE TERRITORY SOUTH  
OF AND ADJACENT TO THE CURRENT CITY LIMITS OF THE CITY OF  
MILLINGTON GENERALLY KNOWN AS THE LUCY COMMUNITY  
TO BE ANNEXED BY ORDINANCE 2012-12

WHEREAS, Tennessee Code Annotated Section 6-51-102 (b) requires that the City Of Millington adopt a Plan of Services prior to annexation of territory into the corporate boundaries of the City; and

WHEREAS, the City plans to annex the territory generally known as the Lucy community, as described in Ordinance 2012-12; and


WHEREAS, the City has complied with the notice and hearing provisions of Tennessee Code Annotated Section 6-51-102(b)(4) regarding the proposed Plan of Services and has submitted said Plan of Services for study to the City's Planning Commission, which has recommended its adoption in writing; and

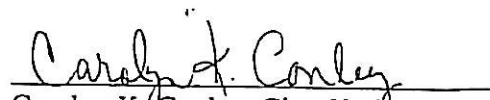
WHEREAS, the Board of Mayor and Aldermen of the City of Millington desires to adopt the Plan of Services for the territory to be annexed by Ordinance 2012-12;

NOW, THEREFORE, BE IT RESOLVED by the Board of Mayor and Aldermen of the City Of Millington, Tennessee, that the Plan of Services attached to this Resolution 24-2012 as Exhibit A and incorporated herein by reference as if set out herein verbatim be, and the same hereby is adopted for the territory described in Ordinance 2012-12.

BE IT FURTHER RESOLVED that this Resolution shall take effect upon its adoption, and the Plan of Services attached hereto as Exhibit A and incorporated herein shall become operative for the annexed territory described herein and in Ordinance 2012-12 upon the effective date of annexation of said territory.

This Resolution is adopted as of the 14th day of June, 2012.

  
Linda L. Carter, Mayor

  
Carolyn K. Conley, City Clerk

## Plan of Services for Lucy Annexation

The Plan of Services set out below shall apply to the community generally known as the Lucy community, as such territory is described in Ordinance 2012-12, upon its annexation into the City of Millington (the "Annexed Territory").

1. Millington fire, ambulance and police service as provided to existing citizens and properties in the City of Millington shall be provided in the Annexed Territory immediately upon the effective date of annexation.
2. Arts, parks, recreational programs, and other cultural and recreational amenities and activities of the City of Millington will be available to residents of the Annexed Territory beginning upon the effective date of annexation, to the same extent available to all citizens of the City of Millington. At such time, citizens in the Annexed Territory who desire to participate in such events, activities and amenities will begin to pay applicable City of Millington resident fees for programs and facility rentals.
3. Water services to residents and properties within the Annexed Territory will continue to be provided by Memphis Light, Gas & Water ("MLGW").
4. Sewer located within the Annexed Territory will be transferred to the City of Millington within four years to allow time for installation of new access lines and upgrades to lift stations. During the interim, the City of Memphis will continue to provide sewer service to the Annexed Territory, and MLGW will continue to bill residents and property owners in the Annexed Territory as is currently being done.
5. Sanitation services in the form of once-a-week garbage and trash pickups within the Annexed Territory will begin on November 1, 2012 and will be provided in the same manner as such services are provided to existing residents of the City of Millington. At such time, residents and property owners within the Annexed Territory will begin to pay for sanitation services at the same rates and fees as are from time to time applicable to all users of such services within the City of Millington. This will allow time for the City of Millington to order and receive additional needed garbage cans. Prior to such date, sanitation services will continue to be provided by individual residents by contract.
6. All street lighting and street maintenance, repair and construction within the Annexed Territory will be performed in accordance with general policies and procedures of the City of Millington, beginning as of the effective of annexation.

7. Animal control services within the Annexed Territory will be provided in accordance with policies and procedures of the City of Millington, beginning as of the effective date of annexation.
8. Existing County zoning ordinances will remain in effect for the Annexed Territory until such time as the City of Millington amends its zoning ordinance so that zoning regulations applicable to the Annexed Territory conform to the existing City of Millington zoning ordinance with regard to district descriptions, uses allowed within each district and other provisions. Existing commercial uses, if any, will be permitted to continue within the Annexed Territory to the extent provided by state law.
9. The Annexed Territory is currently served by Shelby County Schools and will continue to be so served at the effective date of annexation.
10. Effective as of the date of annexation, storm water management and pollution control regulations will be in effect, and services will be provided, for residents and property owners in the annexed area in accordance with Title 14, Chapter 20 of the Millington Municipal Code (as such may be amended from time to time), in the same manner as applicable to and provided for existing City of Millington residents and property owners. Residents and property owners in the annexed area will be charged storm water fees in the same manner as existing City residents and property owners.

REPORT OF MILLINGTON PLANNING COMMISSION  
TO THE BOARD OF MAYOR AND ALDERMEN  
ON THE PROPOSED PLAN OF SERVICES FOR THE COMMUNITY  
GENERALLY KNOWN AS LUCY

The Millington Planning Commission reviewed the proposed Plan of Services attached to this report as Exhibit A at its meeting on May 15, 2012 and again at its meeting on June 14, 2012. The proposed Plan of Services sets out the services to be delivered to the Lucy community upon its annexation by the City of Millington and the projected timing of those services.

The Planning Commission believes that the Plan of Services is reasonable in terms of the services it proposes to provide to the Lucy community and as to the implementation schedule for delivery of such services.

The Planning Commission voted at its meeting on June 14, 2012 to approve the Plan of Services for Lucy and to recommend its adoption by the Millington Board of Mayor and Aldermen.

  
Brett Morgan, Chairman  
Millington Planning Commission

Date: 6/14/2012



**Millington Office of  
Planning and  
Economic Development**

